

What is Claimed is:

1. A plasma cutting process for cutting an object material with a plasma arc generated from a plasma torch,

wherein a dross adhesion inhibitor for preventing adhesion of dross generated by the plasma torch is jetted onto a cutting start position of the object material.

2. The plasma cutting process according to claim 1, wherein the jetting of the dross adhesion inhibitor from the plasma torch is stopped during cutting of the object material with the plasma arc.

3. A plasma cutting machine for cutting an object material with a plasma arc generated from a plasma torch,

wherein the plasma torch includes jetting means for jetting a dross adhesion inhibitor for preventing dross adhesion onto a cutting start position of the object material.

4. The plasma cutting machine according to claim 3, wherein the jetting means is formed such that a dross adhesion inhibitor supply flow path for feeding the dross adhesion inhibitor is connected to an assist gas flow path in which an assist gas for assisting cutting of the object material carried out with the plasma arc flows after jetted from the plasma torch along the plasma arc.

5. The plasma cutting machine according to claim 3, wherein the jetting means is formed such that a dross adhesion inhibitor supply flow path for feeding the dross adhesion inhibitor is connected to a plasma gas flow path in which a plasma gas used for forming the plasma arc flows.